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seq_name: gb_ba2:AE000213
seq_documentation_block:
LOCUS AE000213 10959 bp DNA BCT
DEFINITIO Scherichia coli K-12 MG1655 section 103 of
                                                             12-NOV-1998
                                                            f the complete
              enone.
             E000213 U00096
 ACCESSION
 VERSION
            AE000213.1 GI:1787371
 KEYWORDS
 SOURCE
            Escherichia coli.
            Escherichia coli
   ORGANISM
            Bacteria; Proteobacteria; gamma subdivision; Enterobacteriaceae;
            Escherichia.
            1 (bases 1 to 10959)
Blattner,F.R., Plunkett,G. III, Bloch,C.A., Perna,N.T., Burland,V.,
RITEY,M., Collado-Vides,J., Glasner,J.D., Rode,C.K., Mayhew,G.F.,
Gregor,J., Davis,N.W., Kirkpatrick,H.A., Goeden,M.A., Rose,D.J.,
Mau,B. and Shao,Y.
) REFERENCE
  AUTHORS
  TITLE The complete genome sequence of Escherichia coli K-12.4

JOURNAL Science 277 (5331), 1453-1474 (1997)

MEDLINE 97426617
               (bases 1 to 10959)
 REFERENCE
            Blattner, F.R.
   AUTHORS
   TITLE
            Direct Submission
            Submitted (16-JAN-1997) Guy Plunkett III, Laboratory of Genetics, University of Wisconsin, 445 Henry Mall, Madison, WI 53706, USA. Email: ecoll@genetics.wisc.edu Phone: 608-262-2534 Fax:
   JOURNAL
             608-263-7459
            3 (bases 1 to 10959)
Blattner, F.R.
 REFERENCE
   AUTHORS
            Direct Submission
   TITLE
            Submitted (02-SEP-1997) Guy Plunkett III, Laboratory of Genetics, University of Wisconsin, 445 Henry Mall, Madison, WI 53706, USA. Email: ecoli@genetics.wisc.edu Phone: 608-262-2534 Fax:
             608-263-7459
            4 (bases 1 to 10959) Plunkett, G. III.
 REFERENCE
   AUTHORS
             Direct Submission
 alignment_scores:
             Quality: 983.00
                                          Length:
  Percent Similarity: 94.037
                                           Gaps:
                               Percent Identity: 85.780
 alignment block:
  US-09-252-691-7056 x AE000213/rev
   Align seg 1/1 to reverse of: AE000213 from: 1 to: 10959
     1 AlaileMetArgGlnLeuIleThrProGluAsnThrMetThrLvsThrSe
  9268 GCTATAATGCGGCAATTCATAATCTCTGAAAATACCATGCAAAAAAACTTC 9219
     51 AspvalLeuProGlnPheThrAspGluAlaGlyArgSerThrLeuLysAs 67
     rSerTrpLeuLysIleThrLeuTyrGluGlyArgAsnArgGlnValArgA 184
      167
      8768 CAGCTGGCTGAAGATCACCTTATATGAAGGACGTAATCGCCAGGTGCGCC 8719
     217 1Thr 218
```

8618 GACA 8615

ALIGNMENTS

9.**%** t

```
RESULT
      YMFC_ECOLI
                 YMFC_EC
P75966;
      ID
                            _ECOL1
                                                   STANDARD:
                                                                                      PRT:
                                                                                                     217 AA.
                01-NOV-1997 (Rel. 35, Created)
15-DEC-1998 (Rel. 37, Last sequence update)
15-FEB-2000 (Rel. 39, Last annotation update)
HYPOTHETICAL 24.9 KD PROTEIN IN TRMU-ICDA INTERGENIC REGION.
                Escherichia coli.
                Bacteria; Proteobacteria; gamma subdivision; Enterobacteriaceae;
     OC
     RN
                111
                SEQUENCE FROM N.A
              SEQUENCE FROM N.A.
STRAIN-K12 / MC1655;
MEDILINE: 97426617.
Blattner) F.R., Plunkett G. III, Bloch C.A., Perna N.T., Burland V.,
Riley M., Collado-Vides J., Glasner F.D., Rode C.K., Mayhew G.F.,
Gregor J., Davis N.W., Kirkpatrick H.A., Goeden M.A., Rose D.J.,
     RX
               "The complete genome sequence of Escherichia coli K-12.";
Science 277:1453-1474(1997).
    RT
            STRAIN-K12;

SEQUENCE FROM N.A.

STRAIN-K12;

MEDLINE; 97061202.

Oshima ... Aiba H., Baba T., Fujita K., Hayashi K., Honjo A.,

Ikemoto K., Inada T., Itoh T., Kajihara M., Kanai K., Kashimoto K.,

Kimura S., Kitagawa M., Makino K., Masuda S., Miki T., Mizobuchi K.,

Mori H., Motomura K., Nakamura Y., Nashimoto H., Nishio Y., Saito N.,

Sampei G., Seki Y., Tagami H., Takemoto K., Wada C., Yamamoto Y.,

Yano M., Horiuchi T.;

"A 718-kb DNA sequence of the Escherichia coli K-12 genome

corresponding to the 12.7-28.0 min region on the linkage map.";

DNA Res. 3:137-155(1986).

-!- SIMILARITY: BELONGS TO FAMILY 1 OF PSEUDOURIDINE SYNTHASES.

STRONG, TO H.INFLUENZAE H10694.
    RP
    RA
   RA
RA
  RL
  CC
  сc
            This SWISS-PROT entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation the European Bioinformatics Institute. There are no restrictions on its modified and this statement is not removed. Usage by and for commercial or send an email to license@isb-sib.ch).
  CC
            EMBL; AE000213; AAC74219.1; ALT_INIT.
EMBL; D90748; BAA35957.1; --
EMBL; D90749; BAA35966.1; --
ECOGENE; EG13447; YMFC.
PROSITE; PS01149; PSI_RSU; 1.
            Hypothetical protein.
SEQUENCE 217 AA; 24880 MW; F7C7A7CEDC5FD3F6 CRC64;
 KW
    Query Match
Best Local Similarity
                                                                             Scoré 975; DB 1; Length 217; Pred. No. 3.8e-79;
                                                           85.6%;
                       185; Conservative
                                                                         12; Mismatches 19; Indels
                Qy
 Db
 Qу
DЪ
             Qy
Db
                       RRMTAHVGFPTLRLIRYAMGSYTLDSLANGEWRDVT 218
Qy
                      Db
```

RESULT 10 W10941 W10941 standard; peptide; 35 AA. W10941:
10-NOV-1997 (first entry)
Polyclonal anti-ferritin binder sequence, C28, from R26 library.
Polyclonal surrogate; analyte: affinity receptor; immunoreactive group;
Functional surrogate; analyte: affinity receptor; immunoreactive group;
Functional surrogate; analyte: affinity receptor; immunoreactive group;
minic; homogenous immunoassay; detection; diagnostic analyte: Chlamydia;
cardiac marker; tumour marker: allergen; hormone; fertility; myoglobin;
pregnancy; infectious disease: ferritin; myosin light chain; troponin;
pregnancy; infectious disease: ferritin; myosin light chain; troponin;
pregnancy; infectious disease: ferritin; myosin light chain; troponin;
prelactin; parathyroid hormone; placental lactogen; hepatitis antigen;
prolactin; parathyroid dormone; placental lactogen; hepatitis antigen;
streptococcus; rubella; toxoplasma; DK-MB; prostate-specific antigen;
streptococcus; rubella; toxoplasma; DK-MB; prostate-specific antigen;
carcinoembryonic antigen; alpha-fetoprotein; herpes virus; CA125.
Synthetic. KW KW Carcinoembryonic antigen; alpha-fetoprotein; herpes virus; CAIZ5.

Synthetic.
W09641172-A1.
19-DEC-1996.
07-JUN-1996; U10498.
07-JUN-1995; US-476375.
(CYTO-) CYTOCEN CORP.

Carter JM. Lee-Own FV;
WPI; 97-077284/07.
N-PSDB; T48787.
Labelled functional surrogate of an analyte - useful as competitor molecule in affinity assays, esp. for detecting large macromolecules such as ferritin os PD PF PΙ DR PT such as refritin Disclosure; Page 118/2; 156pp; English. This sequence represents a polyclonal anti-ferritin binder sequence from the R26 library (C series) which may be used in the conjugate of the PS CC invention. The novel labelled conjugate comprises at least one label attached to a functional surrogate of an analyte of interest. The surrogate is capable of competing effectively with the analyte for a surrogate is capable of competing effectively with the analyte for a limiting amount of an affinity receptor for the analyte. The conjugate limiting amount of an affinity receptor for the analyte. The conjugate exhibits an activity that is altered upon interaction with the affinity exhibits an activity can be measured and related to the amount of receptor and this activity can be measured and related to the amount of receptor and immunoreactive group that allows the surrogate to compete effectively an immunoreactive group that allows the surrogate to compete effectively an immunoreactive group that allows the surrogate to compete effectively an immunoreactive group that allows the surrogate to compete effectively an immunoreactive group that allows the surrogate to compete effectively an immunoreactive group that allows the surrogate to compete effectively an immunoreactive group that allows the surrogate to compete effectively an immunoreactive analytes for a limiting amount of its affinity receptor.

(esp. homogenous immunoassays) for detecting large macromolecules such (esp. homogenous immunoassays) for detecting large macromolecules such lipid-containing macromolecules, as well as small haptens. Typical lipid-contai CC

Length 35; 2.7%; Score 6; DB 1; 100.0%; Pred. No. 35; tive 0; Mismatches Query Match 0; Local Similarity 100 hes 6; Conservative Gaps 0; Indels 0: Matches

76 AAGRLD 81 Qy DЪ

Sequence